Texas Child Lead Poisoning Prevention Program

Program Report
DSHS Council Meeting
January 30, 2008

Texas Children Tested for Lead, by Selected Locations, 2000-2004

The following analyses describe the percentages of Texas children who were tested for lead, the percentages of those children who were elevated, and the counts for children who were significantly elevated ($\geq$20 mcg/dL) for the years 2000 – 2004.
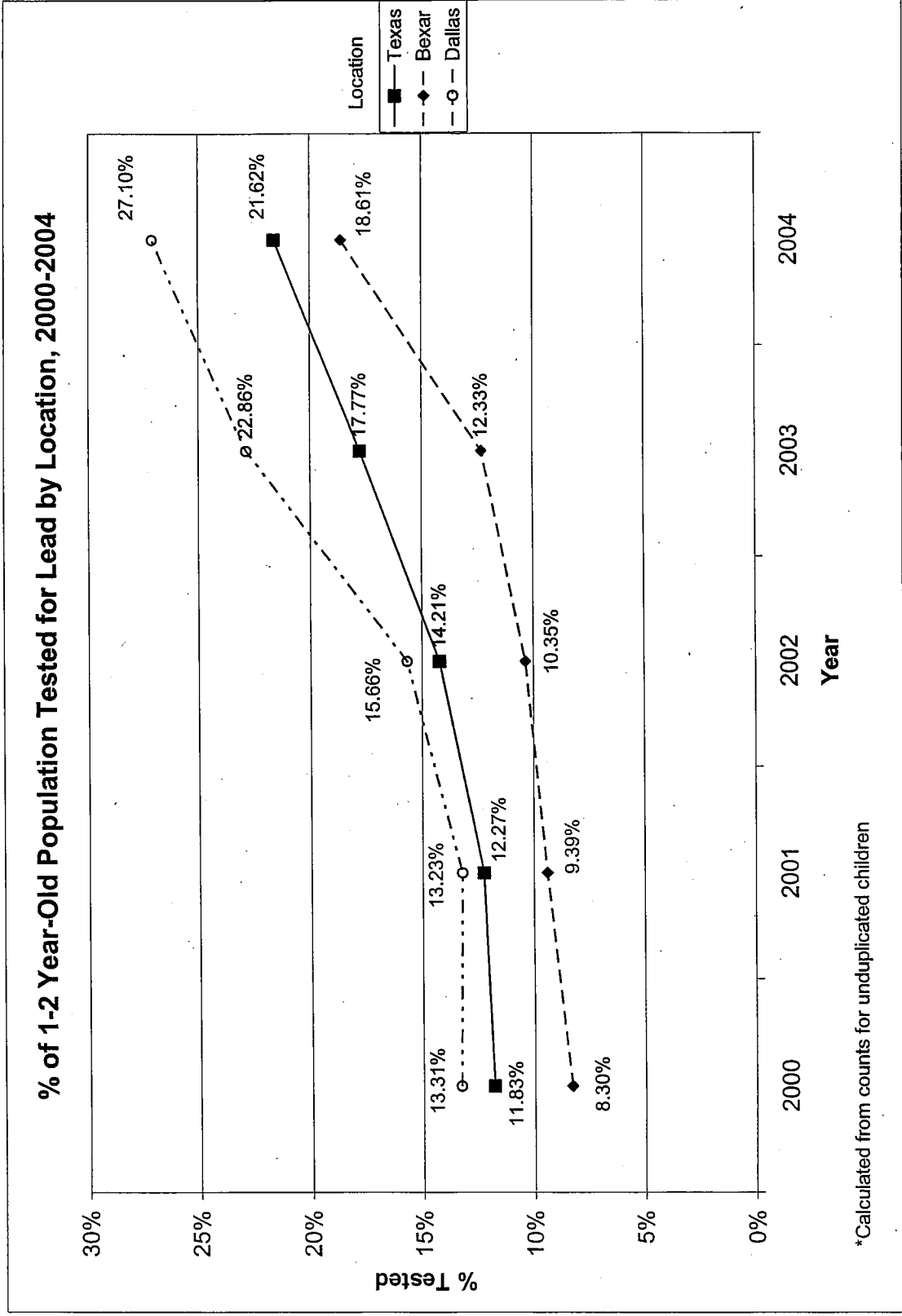
The analysis for the percentage of Texas children tested is based on children 12 – 35 months old (defined as 1 – 2 year olds) at date of specimen collection. Medicaid requires annual testing for this population of children, the highest risk age group because of hand-to-mouth behavioral characteristics.

Harris, Bexar, Dallas, Hidalgo, and Tarrant, Counties are presented because they have the highest counts of tested/elevated children in the state. Although it does not have one of the highest tested/elevated counts, Galveston County is presented because of recent media interest in that location. The counts presented in the following charts are for unduplicated children by county of residence. When a child's address is not available the provider's address is used as a surrogate.

For ease of viewing, each chart contains two counties compared to the state as a whole.

Texas Childhood Lead Poisoning Prevention Program

Percentage of 1 and 2-year olds that were tested in Texas, as compared to Bexar and Dallas Counties, from 2000-2004.

% of 1-2 Year-Old Population Tested for Lead by Location, 2000-2004

*Calculated from counts for unduplicated children

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Percentage of 1 – 2 year olds in Texas, Bexar County, and Dallas County who were tested and had an elevated blood lead level, from 2000-2004.

% of Tested 1-2 Year-Olds with Elevated* Lead, by Location, 2000-2004

Location
Texas
Bexar
Dallas

Bexar: 1.90%, 1.18%, 1.47%, 1.13%, 0.74%
Texas: 1.21%, 0.83%, 0.78%, 0.57%, 0.42%
Dallas: 0.30%, 0.28%, 0.53%, 0.32%, 0.19%

Year

% Elevated

2% 1% 0%

2000 2001 2002 2003 2004

*Calculated from counts for unduplicated children with blood lead levels ≥10 mcg/dL, venous tests only
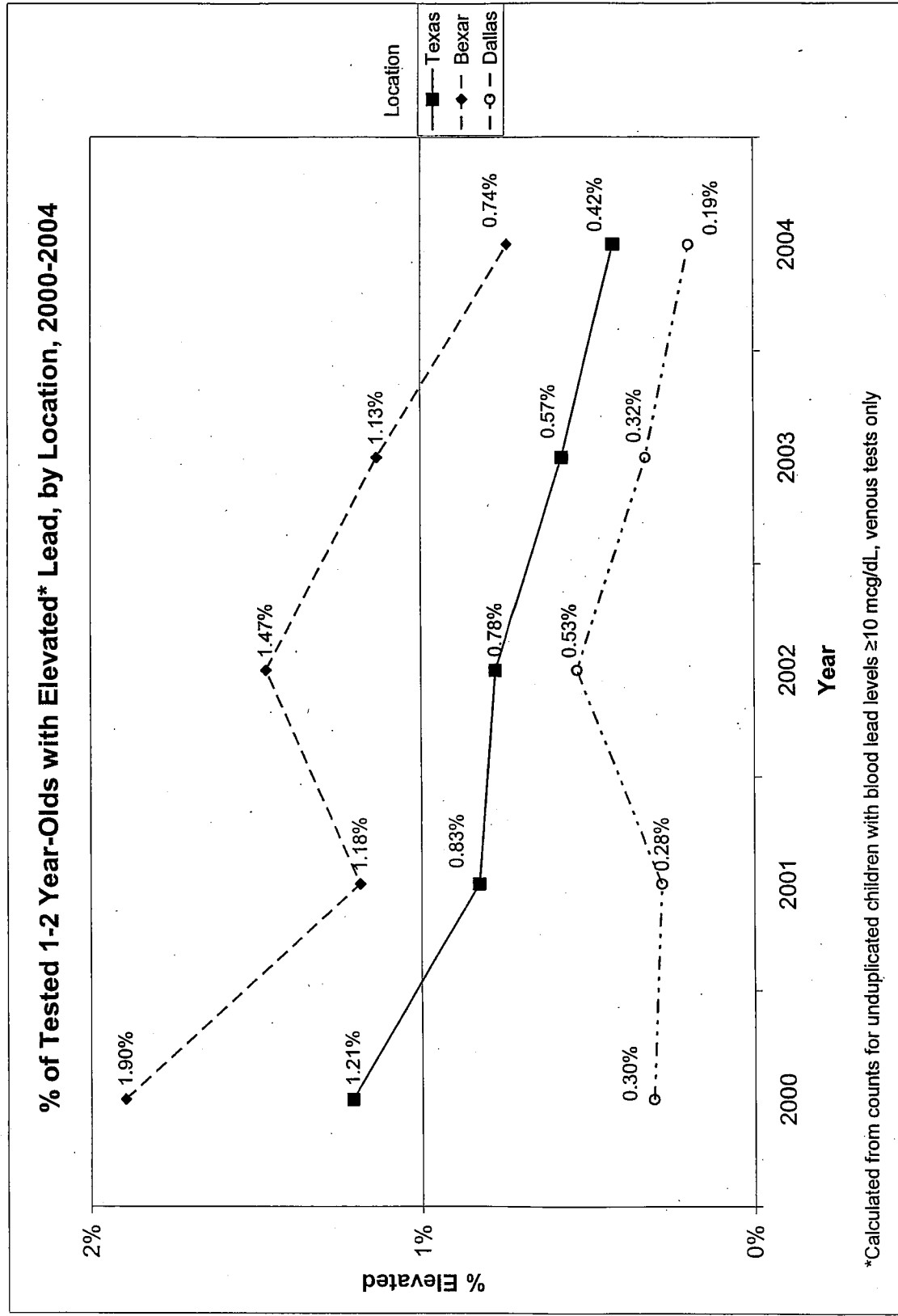
Texas Childhood Lead Poisoning Prevention Program

Percentage of 1 and 2-year olds that were tested in Texas, as compared to Harris and Hidalgo Counties, from 2000-2004.

% of 1-2 Year-Old Population Tested for Lead by Location, 2000-2004

*Calculated from counts for unduplicated children

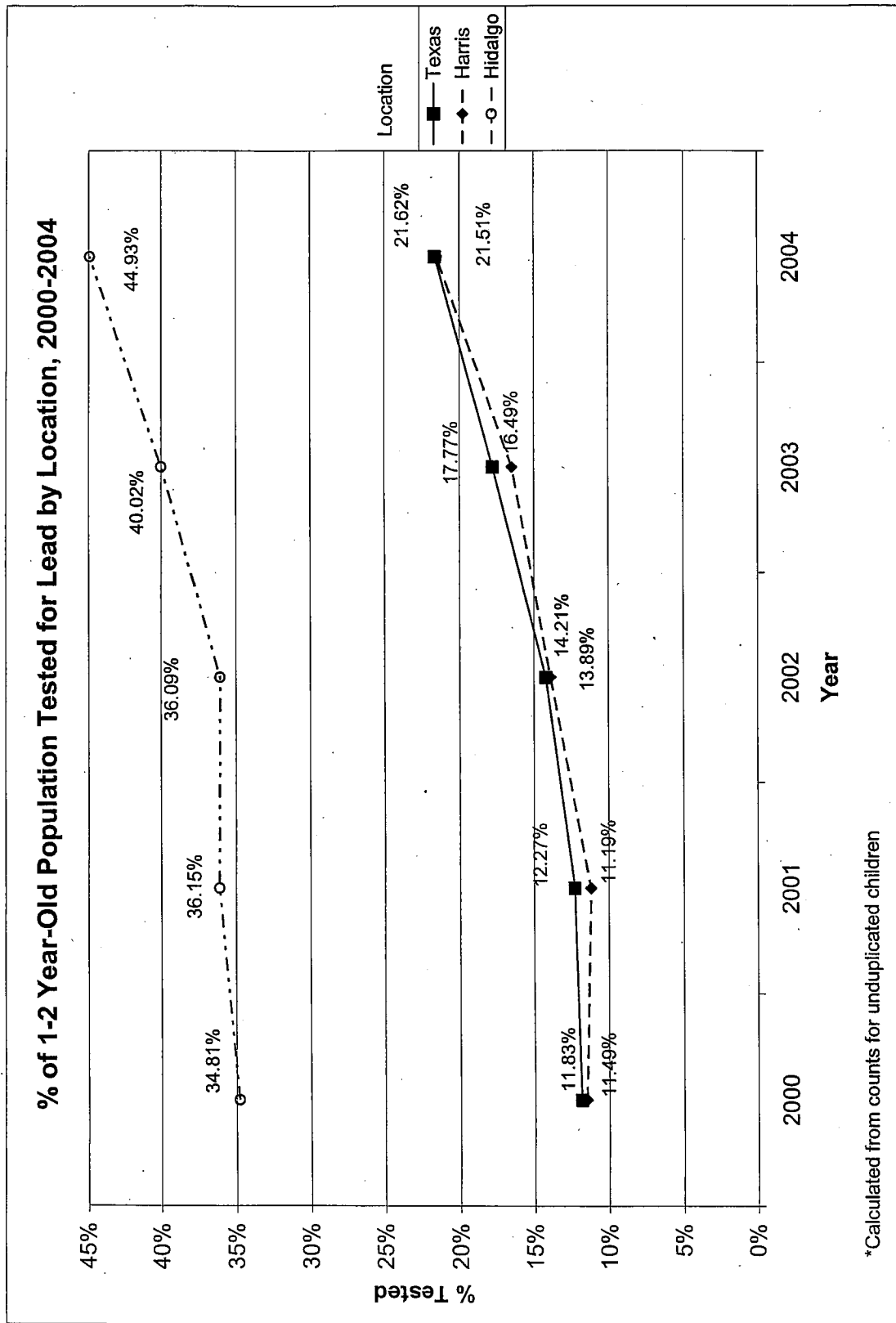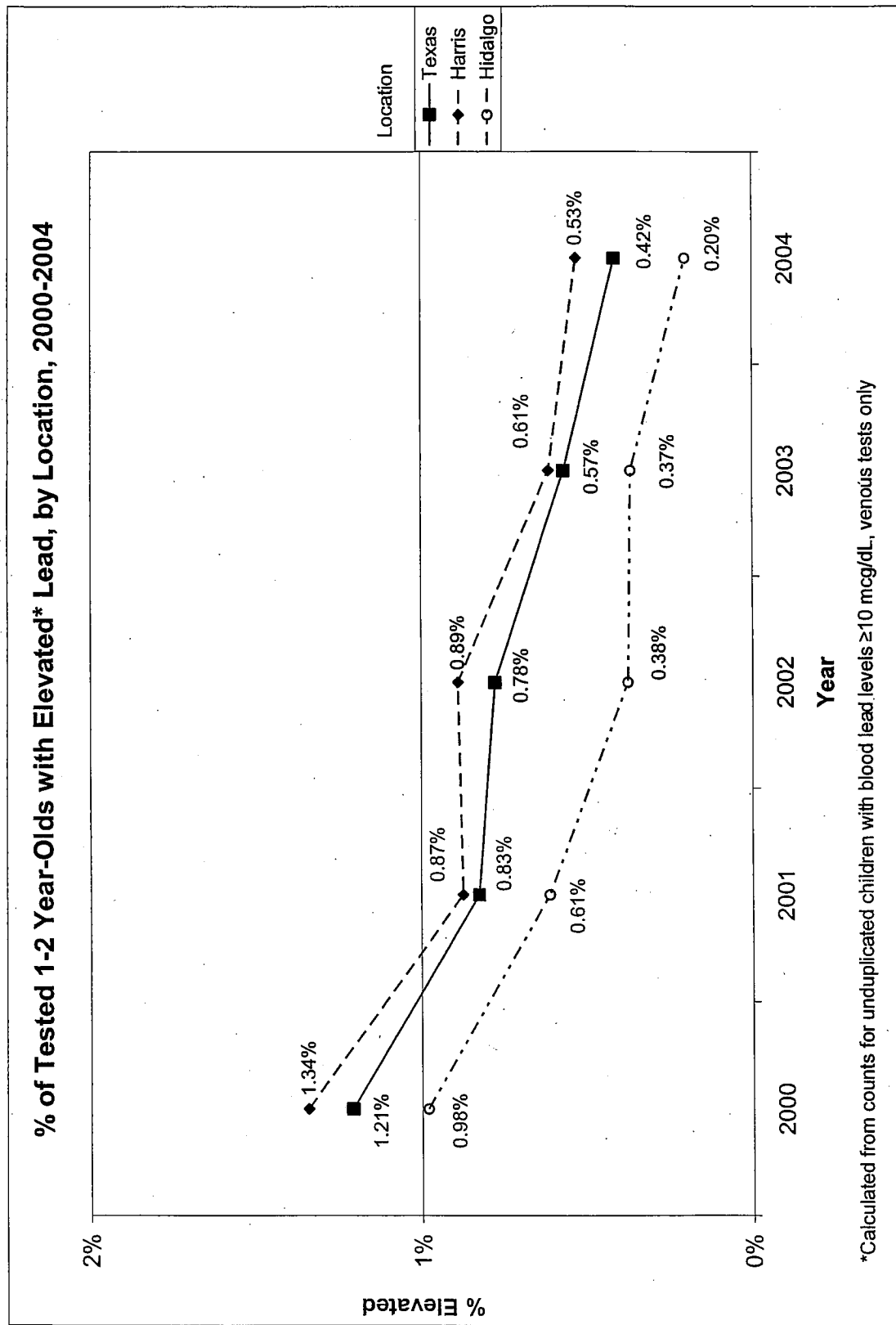Texas Childhood Lead Poisoning Prevention Program

Percentage of 1 and 2-year olds in Texas, Harris County, and Hidalgo County who were tested and had an elevated blood lead level, from 2000-2004.

% of Tested 1-2 Year-Olds with Elevated* Lead, by Location, 2000-2004

Location
- ■ Texas
- ◆ Harris
- ○ Hidalgo

% Elevated

2% — 1% — 0%

Texas: 1.21%, 0.83%, 0.78%, 0.57%, 0.42%

Harris: 1.34%, 0.87%, 0.89%, 0.61%, 0.53%

Hidalgo: 0.98%, 0.61%, 0.38%, 0.37%, 0.20%

Year: 2000, 2001, 2002, 2003, 2004

*Calculated from counts for unduplicated children with blood lead levels ≥10 mcg/dL, venous tests only

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Percentage of 1 and 2-year olds that were tested in Texas, as compared to Tarrant and Galveston Counties, from 2000-2004.

% of 1-2 Year-Old Population Tested for Lead by Location, 2000-2004

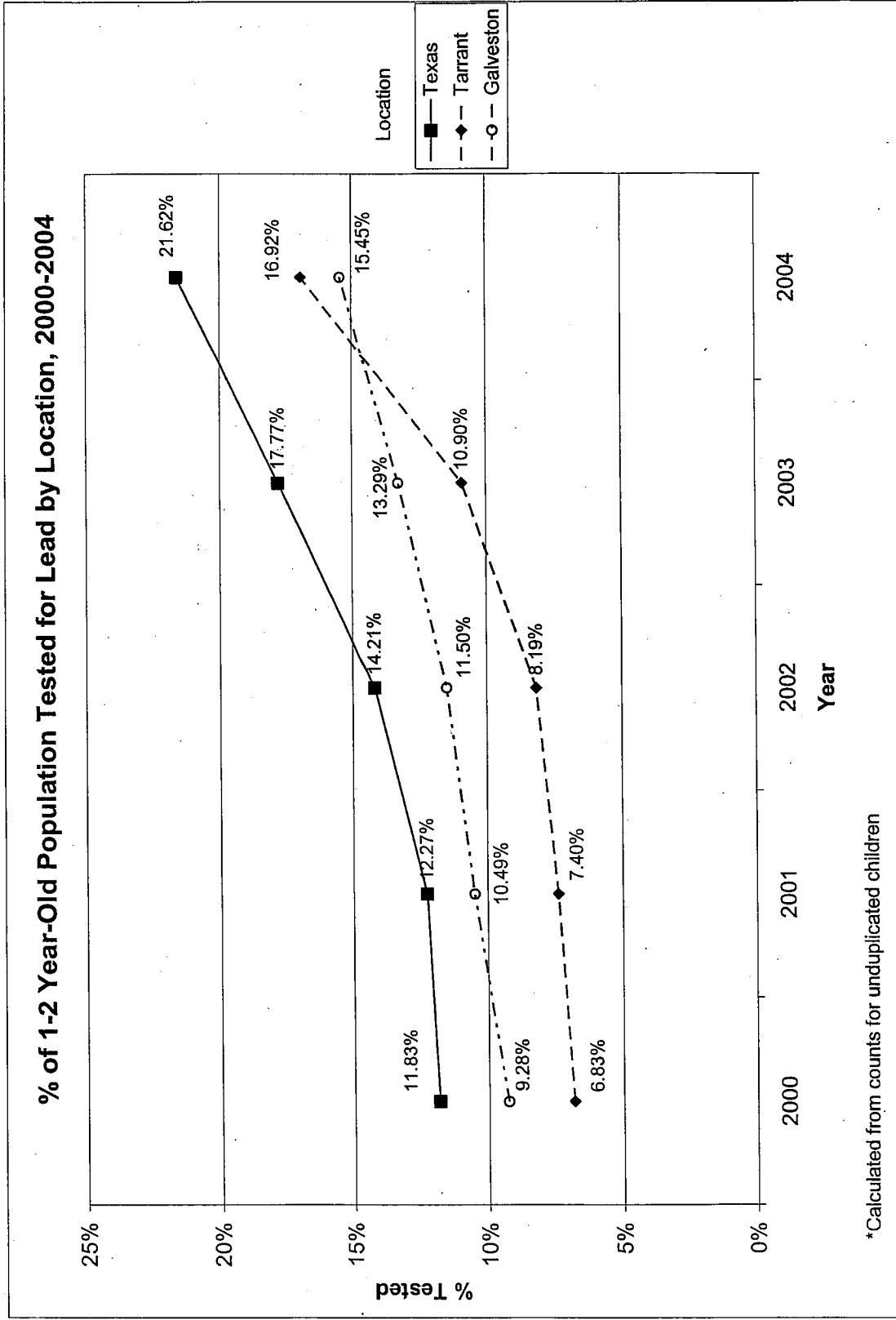*Calculated from counts for unduplicated children

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Percentage of 1 and 2-year olds in Texas, Tarrant County, and Galveston County who were tested and had an elevated blood lead level, from 2000-2004.
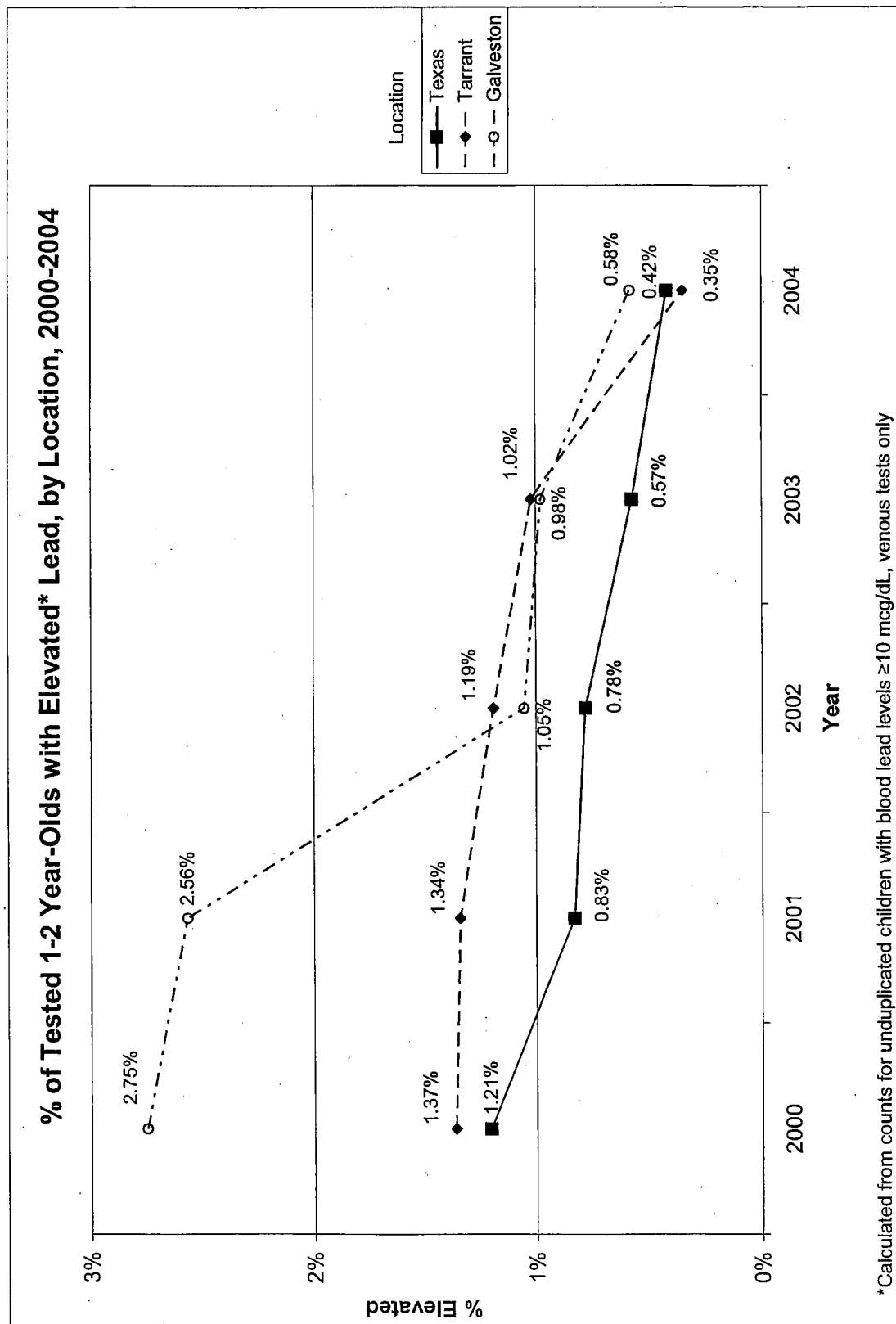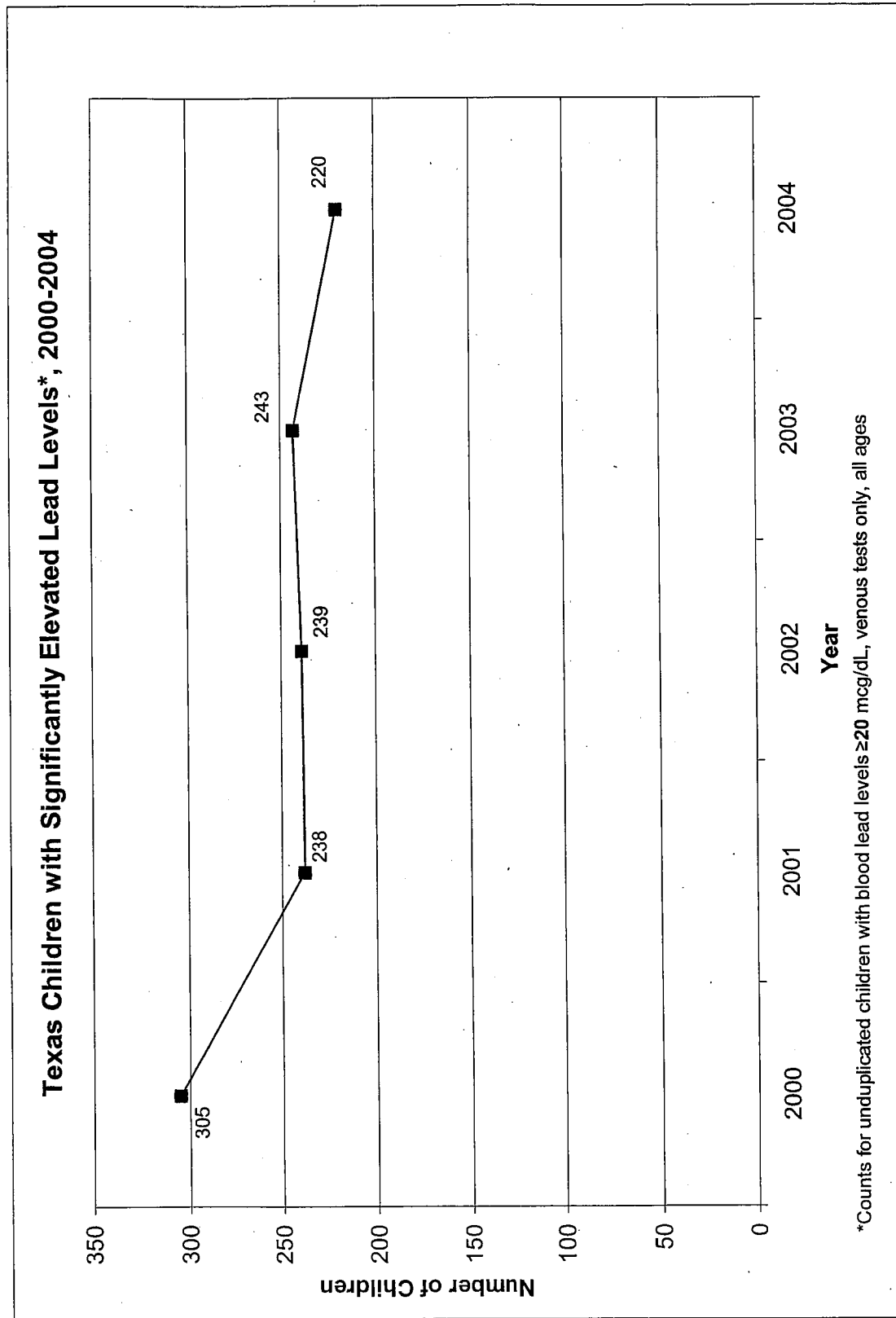
% of Tested 1-2 Year-Olds with Elevated* Lead, by Location, 2000-2004

*Calculated from counts for unduplicated children with blood lead levels ≥10 mcg/dL, venous tests only

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The number of Texas children (all age groups 0-14-years) who had a significantly elevated blood lead level is a blood lead level ≥ 20 mcg/dL and warrants an environmental investigation to attempt to identify one, or more exposure sources.

Texas Children with Significantly Elevated Lead Levels*, 2000-2004

*Counts for unduplicated children with blood lead levels ≥20 mcg/dL, venous tests only, all ages

	Texas County Percentages of Pre-1950 Housing, Child Poverty, 12 to 35 Month-Old Population, Elevated Blood Lead Results			
County	% Pre-1950 Housing	% Children Poverty	% 12 to 35 Month-Old Population	% Elevated Blood Lead Results
All Texas	13.56%	20%	3.25%	1.46%
Anderson	15.76%	22%	2.34%	6.36%
Andrews	8.37%	23%	3.31%	0.00%
Angelina	11.09%	25%	3.05%	1.19%
Aransas	4.79%	36%	2.08%	0.00%
Archer	21.29%	11%	2.10%	0.00%
Armstrong	35.76%	12%	2.47%	16.67%
Atascosa	11.86%	26%	3.04%	1.30%
Austin	21.95%	18%	2.67%	1.69%
Bailey	23.34%	26%	3.82%	1.56%
Bandera	11.28%	13%	1.89%	5.00%
Bastrop	12.12%	14%	2.79%	3.59%
Baylor	29.79%	34%	2.11%	6.25%
Bee	16.66%	35%	2.50%	2.17%
Bell	7.31%	17%	3.98%	1.25%
Bexar	12.61%	24%	3.27%	1.86%
Blanco	18.90%	11%	2.31%	8.33%
Borden	21.38%	0%	1.67%	0.00%
Bosque	20.57%	21%	2.35%	6.67%
Bowie	14.48%	31%	2.59%	1.28%
Brazoria	6.25%	14%	3.03%	0.93%
Brazos	6.13%	24%	2.73%	1.43%
Brewster	21.02%	26%	2.57%	0.00%
Briscoe	32.21%	28%	2.46%	0.00%
Brooks	15.92%	57%	3.46%	0.00%
Brown	20.64%	26%	2.71%	5.00%
Burleson	14.86%	26%	2.79%	3.33%
Burnet	8.68%	17%	2.42%	0.74%
Caldwell	16.84%	14%	3.06%	1.70%
Calhoun	9.39%	25%	3.06%	0.00%
Callahan	21.47%	17%	2.22%	2.22%
Cameron	9.11%	45%	4.47%	1.87%
Camp	11.53%	36%	2.76%	0.00%
Carson	25.40%	10%	2.33%	0.00%
Cass	14.36%	26%	2.27%	2.08%
Castro	16.79%	27%	3.59%	8.16%
Chambers	8.54%	14%	2.36%	0.00%
Cherokee	17.89%	27%	2.87%	3.01%
Childress	41.58%	47%	2.41%	0.00%
Clay	24.84%	11%	1.74%	0.00%
Cochran	20.98%	48%	3.30%	0.00%
Coke	16.50%	21%	1.99%	0.00%
Coleman	33.82%	33%	2.53%	5.13%
Collin	2.18%	5%	2.96%	1.18%
Collingsworth	49.74%	35%	2.20%	0.00%
Colorado	24.64%	22%	2.72%	0.00%
Comal	9.92%	14%	2.44%	1.04%

Comanche	26.12%	28%	2.50%	0.00%
Concho	39.45%	22%	1.30%	0.00%
Cooke	19.49%	26%	2.59%	0.00%
Coryell	9.21%	15%	2.41%	2.88%
Cottle	44.67%	33%	2.18%	0.00%
Crane	21.12%	19%	2.86%	0.00%
Crockett	22.30%	39%	2.70%	0.00%
Crosby	21.77%	38%	3.16%	5.71%
Culberson	21.27%	39%	2.79%	0.00%
Dallam	37.08%	19%	3.21%	0.00%
Dallas	9.54%	19%	3.55%	1.04%
Dawson	23.40%	33%	3.03%	2.44%
Deaf Smith	14.23%	33%	3.91%	0.00%
Delta	28.71%	20%	2.12%	0.00%
Denton	3.01%	7%	3.07%	0.69%
De Witt	30.52%	32%	2.54%	2.22%
Dickens	42.18%	34%	1.79%	0.00%
Dimmit	17.49%	44%	3.23%	1.71%
Donley	33.31%	35%	2.05%	0.00%
Duval	19.18%	39%	3.17%	0.00%
Eastland	36.68%	29%	2.59%	4.26%
Ector	8.57%	27%	3.65%	1.35%
Edwards	26.62%	48%	2.04%	0.00%
Ellis	13.17%	14%	3.03%	2.01%
El Paso	10.39%	32%	3.95%	0.86%
Erath	16.72%	16%	2.70%	0.84%
Falls	28.92%	28%	2.40%	8.70%
Fannin	23.52%	23%	2.25%	2.80%
Fayette	32.19%	13%	2.34%	4.65%
Fisher	39.26%	30%	1.81%	0.00%
Floyd	29.68%	33%	3.20%	0.00%
Foard	47.06%	17%	1.83%	0.00%
Fort Bend	2.72%	9%	2.52%	0.55%
Franklin	12.30%	28%	2.16%	5.45%
Freestone	16.92%	16%	2.50%	4.88%
Frio	14.47%	40%	3.27%	2.02%
Gaines	10.46%	32%	3.77%	0.00%
Galveston	14.39%	19%	2.89%	2.88%
Garza	25.41%	37%	2.73%	0.00%
Gillespie	24.29%	16%	2.00%	1.56%
Glasscock	12.42%	39%	2.46%	0.00%
Goliad	23.73%	30%	2.42%	0.00%
Gonzales	21.92%	25%	3.18%	6.19%
Gray	30.77%	21%	2.39%	9.09%
Grayson	18.03%	16%	2.72%	1.84%
Gregg	10.96%	23%	3.09%	2.55%
Grimes	11.83%	21%	2.67%	1.39%
Guadalupe	10.12%	13%	2.46%	1.06%
Hale	19.64%	22%	3.54%	2.13%
Hall	42.61%	38%	2.81%	0.00%
Hamilton	30.82%	22%	2.23%	0.00%
Hansford	25.38%	26%	3.37%	0.00%
Hardeman	42.20%	24%	2.35%	0.00%
Hardin	9.20%	15%	2.55%	0.00%

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Harris	8.50%	21%	3.51%	1.11%
Harrison	17.16%	28%	2.51%	2.23%
Hartley	15.91%	6%	2.48%	0.00%
Haskell	32.26%	37%	2.57%	0.00%
Hays	7.01%	12%	2.73%	2.28%
Hemphill	36.11%	21%	2.79%	25.00%
Henderson	5.10%	20%	2.45%	0.00%
Hidalgo	4.71%	46%	4.54%	1.39%
Hill	22.90%	21%	2.82%	8.53%
Hockley	13.78%	23%	3.31%	1.82%
Hood	4.09%	9%	2.10%	0.00%
Hopkins	14.78%	21%	2.82%	1.32%
Houston	15.00%	28%	2.21%	1.55%
Howard	21.75%	30%	2.69%	4.00%
Hudspeth	16.04%	41%	2.30%	0.00%
Hunt	12.54%	16%	2.75%	3.70%
Hutchinson	22.42%	19%	2.85%	3.17%
Irion	26.37%	10%	1.24%	0.00%
Jack	27.56%	18%	2.31%	0.00%
Jackson	20.35%	20%	2.92%	0.00%
Jasper	11.25%	24%	2.72%	1.61%
Jeff Davis	31.69%	16%	1.64%	0.00%
Jefferson	19.75%	27%	2.76%	3.54%
Jim Hogg	18.85%	37%	2.96%	3.13%
Jim Wells	11.80%	32%	3.27%	3.03%
Johnson	9.85%	11%	2.79%	1.49%
Jones	30.35%	25%	2.08%	2.78%
Karnes	27.65%	39%	2.30%	0.00%
Kaufman	10.34%	13%	2.79%	0.85%
Kendall	12.99%	18%	2.16%	0.00%
Kenedy	25.98%	17%	2.89%	0.00%
Kent	29.76%	20%	1.15%	0.00%
Kerr	12.72%	25%	2.23%	1.88%
Kimble	23.60%	30%	2.40%	10.00%
King	32.18%	28%	0.92%	0.00%
Kinney	22.39%	32%	2.40%	33.33%
Kleberg	15.97%	36%	3.31%	0.62%
Knox	32.36%	43%	2.43%	0.00%
Lamar	16.68%	26%	2.70%	4.75%
Lamb	25.61%	36%	3.29%	1.56%
Lampasas	20.23%	20%	2.61%	2.63%
La Salle	22.00%	42%	3.68%	0.00%
Lavaca	28.52%	16%	2.37%	3.60%
Lee	15.97%	15%	2.72%	0.00%
Leon	12.11%	21%	2.34%	0.00%
Liberty	9.07%	17%	2.77%	1.60%
Limestone	20.41%	24%	2.60%	1.52%
Lipscomb	38.48%	25%	2.31%	0.00%
Live Oak	11.02%	30%	2.02%	0.00%
Llano	7.14%	15%	1.73%	2.44%
Loving	24.29%	0%	0.00%	0.00%
Lubbock	9.37%	25%	3.12%	1.25%
Lynn	25.95%	28%	2.68%	0.00%
McCulloch	35.64%	42%	2.59%	4.76%

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McLennan	16.93%	25%	3.05%	2.80%
McMullen	16.18%	48%	1.27%	0.00%
Madison	11.72%	24%	2.39%	2.22%
Marion	10.17%	33%	2.15%	4.17%
Martin	14.65%	28%	3.19%	8.70%
Mason	45.95%	25%	1.98%	0.00%
Matagorda	12.03%	32%	3.03%	0.48%
Maverick	6.70%	37%	4.05%	1.73%
Medina	15.32%	21%	2.63%	1.04%
Menard	39.45%	33%	2.19%	0.00%
Midland	6.71%	19%	3.24%	0.86%
Milam	20.32%	20%	2.86%	4.71%
Mills	29.32%	23%	1.98%	0.00%
Mitchell	28.26%	26%	1.99%	0.00%
Montague	20.93%	23%	2.51%	0.00%
Montgomery	2.11%	13%	2.78%	1.49%
Moore	15.85%	19%	3.53%	0.00%
Morris	13.08%	35%	2.52%	1.33%
Motley	40.17%	29%	1.58%	0.00%
Nacogdoches	12.07%	28%	2.69%	2.03%
Navarro	18.86%	26%	2.97%	5.59%
Newton	10.72%	31%	2.17%	0.00%
Nolan	31.83%	34%	2.87%	0.00%
Nueces	13.59%	26%	3.29%	0.63%
Ochiltree	19.10%	19%	3.43%	5.26%
Oldham	30.43%	33%	2.22%	0.00%
Orange	11.05%	23%	2.51%	1.68%
Palo Pinto	21.01%	24%	2.71%	2.79%
Panola	14.55%	18%	2.55%	1.52%
Parker	9.27%	11%	2.25%	1.38%
Parmer	19.40%	22%	3.22%	0.00%
Pecos	16.82%	28%	2.89%	1.92%
Polk	6.14%	27%	2.29%	3.15%
Potter	25.60%	28%	3.68%	2.24%
Presidio	26.49%	43%	4.05%	0.00%
Rains	8.07%	19%	1.96%	0.00%
Randall	7.39%	10%	2.26%	0.00%
Reagan	17.56%	8%	3.16%	0.00%
Real	17.14%	32%	1.97%	0.00%
Red River	20.30%	28%	2.43%	1.49%
Reeves	17.53%	38%	3.28%	0.00%
Refugio	27.45%	25%	2.95%	5.56%
Roberts	45.66%	8%	1.95%	0.00%
Robertson	20.09%	33%	2.83%	2.60%
Rockwall	3.69%	6%	2.63%	4.65%
Runnels	37.93%	26%	2.74%	6.00%
Rusk	18.78%	22%	2.53%	5.19%
Sabine	10.18%	23%	2.04%	0.00%
San Augustine	12.10%	30%	2.48%	0.00%
San Jacinto	5.65%	26%	2.19%	2.38%
San Patricio	11.19%	24%	3.34%	0.54%
San Saba	34.16%	27%	2.33%	5.13%
Schleicher	26.62%	33%	2.94%	0.00%
Scurry	17.84%	24%	2.83%	0.00%

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County	% Pre-50 Housing	% Children Poverty	% of Population 12-35	% Elevated
Shackelford	37.88%	21%	2.39%	0.00%
Shelby	16.95%	23%	2.95%	4.04%
Sherman	25.10%	21%	2.42%	0.00%
Smith	11.29%	19%	2.96%	2.03%
Somervell	13.89%	11%	2.58%	0.00%
Starr	5.07%	62%	4.81%	2.06%
Stephens	31.00%	27%	2.86%	0.00%
Sterling	29.23%	28%	2.02%	0.00%
Stonewall	26.82%	31%	2.16%	0.00%
Sutton	22.82%	26%	2.91%	5.00%
Swisher	24.37%	29%	3.22%	0.00%
Tarrant	9.10%	15%	3.32%	1.24%
Taylor	17.26%	23%	3.25%	2.39%
Terrell	40.97%	47%	1.06%	0.00%
Terry	15.06%	47%	3.27%	4.55%
Throckmorton	47.47%	27%	2.17%	0.00%
Titus	10.12%	27%	3.38%	2.16%
Tom Green	15.96%	23%	3.04%	1.36%
Travis	6.99%	15%	3.16%	0.84%
Trinity	12.19%	27%	2.37%	3.13%
Tyler	12.29%	22%	2.17%	0.00%
Upshur	12.48%	19%	2.57%	1.88%
Upton	19.39%	31%	2.95%	0.00%
Uvalde	19.22%	40%	3.67%	2.69%
Val Verde	11.75%	31%	3.76%	0.00%
Van Zandt	9.59%	15%	2.34%	1.37%
Victoria	11.83%	19%	3.25%	1.73%
Walker	6.78%	23%	1.95%	1.08%
Waller	9.17%	22%	2.80%	0.00%
Ward	21.77%	24%	3.09%	5.56%
Washington	18.28%	15%	2.52%	1.72%
Webb	9.10%	40%	5.19%	1.88%
Wharton	20.49%	23%	3.01%	2.40%
Wheeler	39.75%	19%	2.18%	0.00%
Wichita	20.91%	21%	2.88%	1.73%
Wilbarger	37.44%	21%	2.81%	8.33%
Willacy	18.49%	40%	3.79%	2.16%
Williamson	5.61%	6%	2.94%	1.81%
Wilson	11.04%	12%	2.48%	1.18%
Winkler	15.96%	22%	3.11%	0.00%
Wise	11.25%	14%	2.58%	0.00%
Wood	12.83%	24%	2.16%	1.66%
Yoakum	8.31%	24%	3.75%	0.00%
Young	25.53%	26%	2.55%	11.76%
Zapata	5.03%	50%	3.78%	1.20%
Zavala	13.45%	48%	3.51%	0.46%

County is the county of residence for the child

% Pre-50 Housing is based on 2000 US Census

% Children Poverty is the percentage of children under age 6 below the poverty level, 2000 US Census

% of Population 12-35 is the percentage of children age 12-35 months from the total number of people in county, based on 2005 population estimates

% Elevated is the percentage of children with a blood lead level 10 mcg/dL or higher from among the children who had been tested in that county and who were 12-35 months of age